RECORD

Mt. Crest Quarries

Hensonville, N. Y.
Tel. Windham 357

Customer's
Order No. _____ Date _____ 195____

M _____

Address _____

Sold by	Cash	C. O. D.	Charge	On Acct.	Mdse. Ret.	Paid Out	

QUAN.	DESCRIPTION	PRICE	AMOUNT	
	No. 1			
	No. 2			
	No. 3			
	Pea Stone			
	Dust			

All claims and returned goods MUST be accompanied by this bill.

1794

Rec'd by _____

WILLIAM O'REILLY, INC., KINGSTON, N. Y. Ⓗ

Hueber

FR2

.G8

Field Notes

Cairo Quarry Sept. 11.

Mr. V. Haskins took us directly to the Cairo Quarry. Got permission from Leon Lewis (quarry foreman) to enter the quarry. Started in southern arm of the quarry, which at present is not being worked, and saw the large trunk of Cosgermatopteris which had been badly mutilated. No special finds in this portion of the quarry. Worked towards the central part of the quarry and at 500/500 survey mark found zone of sandstone with pyritized axes -- will collect more there later -- went into the working part of the quarry -- no special material seen except the usual fragmentary bits of plant material. Searched over the boulders which had been brought out of the new workings (boulders too large for the crusher) found one long pyritized axis -- will remove later.

Sept. 12, 1957

Hensonville Quarry

North end of quarry. Due north -- lower quarry by crusher.

Flagstone even grained coarse ~~flat~~ sandstone

12 ft

gray weathered surface sandstone gray blue green.

* blue green weathering reddish 2 ft sandstone with uneven jointing but similar to flag above -- ~~plant~~ pyrite nodules plant remains

~~Even grained sandstone~~

Zone of shale - some what distorted -- containing plant stems ...

Shale greenish ... varying from 1½' to as little as 8" then sandstone to base of quarry.

5'

Collected considerable material.

20½' section at this point

Went up to the working part of the quarry directly above

(Middle & upper levels) found
Tetraxylopteris
The fossil plant material occurs best preserved at a contact zone which is apparently between the strata of upper red beds and the lower dark gray-greenish blue sandstones -- There is some cross-bedding evident and jointing is at points at NW/W angles

From Hensonville went to Cape Horn -- The quarry on State land -- found some unusual "speckle bark" and what appears to be three branches of whorled branchlets Internal structure found in one small stem -- nodule too which has some preserved cellular detail ---- Quarry otherwise a bit disappointing. Went to actual Cape Horn shale pit - upper or at least above other quarry - 4 specimens - 2 molds of branches ? -- "roots" ? - and "fruiting bodys" ? - shale very friable ---

Sept. 13. 1957

Returned to Cairo Quarry removed - the pyritized stem and collected a quantity of the pyritized axes -- 2 pieces of Cospermatopteris trunk --

Now looks than safe for car had to quit.

July 19, 1958

Upper quarry - Krein's -
80 ft ± above lower opening -
Mountain Crest Quarry.
Are working back and not
downward - mostly red flag
with little of the green -- contacts
show shaly material - mud balls
etc. These lenses bear plant
material - some axes 6 inches
across - flattened & coalized -
little pyrite - found some
chalcopyrite with ~~oxid~~ carbonates
at short distance away -.
Some plant material - the lense
of material with some pyritized
area present - marked H-up.

Lower Quarry.

More collected in north
end of quarry - good pyrites -
Pictures - wall / pyrite holes etc -
wall in general -

Visited Vernon.
Mentioned Oaonaville -
Archeosigillaria locale -
material looks good!
Was on TV out of Schenectady
Cosperma topteris still
turning up at Cairo

Check Pratts Rocks area - particularly
the top of the hill - plant
material there - even loose + can
be picked up there - Onteora?

Pratt Rocks. July 20, 1958

Onteora! ? - -
Lot of plant material very
fragmentary - some pyrite
but all that is loose (rock
that is) is too weathered.
Large axes - some 6" or
so - not Cosperma topteris
perhaps - Callixylon -
Cross bedding -
Beds are visible across
valley to west and north
west - some south -

Triangulation point - old one
at end of knob - no
information on point. -
has possibilities -

Land above picnic area
owned by P.J. and J.W.
Cross of Plattsville, N.Y.

No specimens

Aug. 5.

Helderberg escarpment pictures — outside of Albany on Rd. 20.

Looked over museum area — have to stay an extra day.

Aug. 6.

Museum collections —

Bothrodendron = "Speckle — barkeopsis"

Saw "type" of Dawsonis Cladoxylon mirabile — block is there! We have two slides of same —

"Sphenophyllum" — barf!

Rudeman's paleobotany is ————?

Did not find Archaeosigillaria vanuxemi — marked on drawer but specimen not there!

Saw types and collections

which HPB had gone through — some nice things:

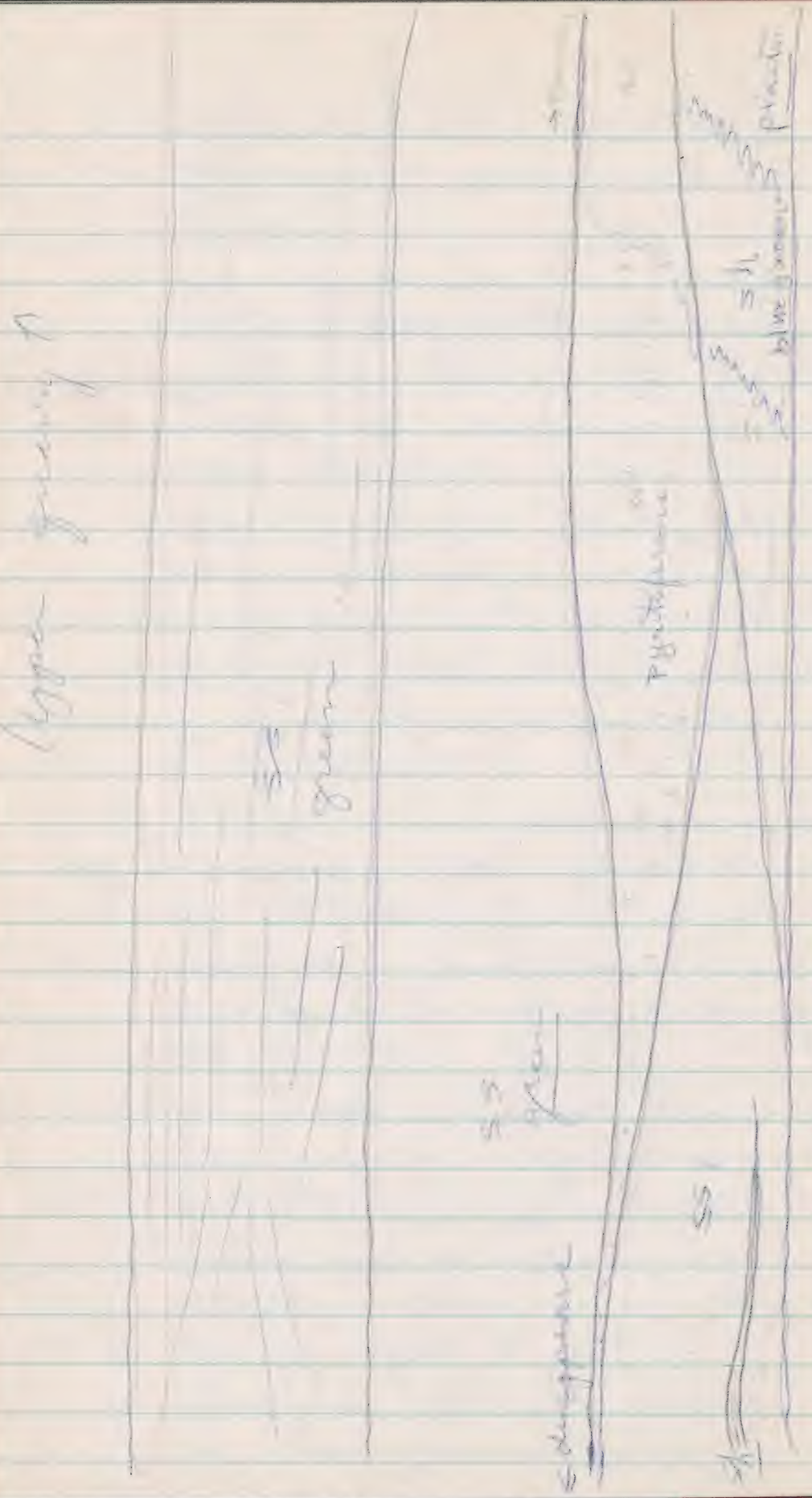
Left Albany 2:30 or so — went on down to West Saugerties and visited mr. Gaylord — got the specimen of "sling shot" real interesting.

Stayed at Rushbrook lodge — West Saugerties — A very fine place for field Jabber.

Aug 7. — Left — took pictures of Catskill front and pictures in Catskill and Kaaterskill Bul. 336. of N.Y.S. Mus. —

Saw Twilight Park Conglomerate — got some — Collected at Hensonville — They're tearing down the crusher along side the goodies spot — other crusher still too close to allow for blasting —

Drove on back uneventfully.



Sept 11. 1956

Mountain Coal Province.

Core of wood from large vertical specimen — no outstanding surface detail — core 6" across and 2' long in block 1½' thick and 2½ ft wide — pyrite almost all over wood — wood above seam under hard layer. — fine. —

Collected four gunny sacks + full of petrifacts material — many nodules! — 2 compressions Archaeogallatea — Knorria sive

Upper Gunny

Much wood showing Contact — between red + green phase — large area — some pyrite mostly very badly flattened all details lost — pictures taken Samples of shale taken for spore analysis. Green-red transition — sound shale — red phase samples taken — Hard to cut + polish for lithology — ! —

Roadside to gunny has outcrops which mean the

September 12, 1958
Quarry at East Windham on side of Mt Zoar. Last operated about 1920-21
Small Large ledges of ss resting on red shale. Some pyrite indicated. Large slab (badly weathered and broken up) with Tetrapylopteris

Last point a heap of material close some ford to left back - to shale - green in - red shale - green shale - sandstone - . The sandstone has plant fragments scattered through it. One

Quarry on green but shale below is below of pyrite - farther towards town - The bed on shale entire - Then a very thick bed of green w/ pock marks in beating pyrite - samples not possible because of height above ground and also the tremendous thickness of the bed - red shale between this followed by ss - no plants indicated - followed by red & green shales mined like those at Cape Horn Quarry - ? Lower Contact ? - not according to map projection - but ???

piece of pyritized coal obtained. Our Archaeocyathus Staff is formed.

Road cuts along the back (west) towards Hensonville transect red shale and sandstones - little green no plants - ripple marks - mud cracks.

Sept 13 1958 Saturday
East Kill at Beaks Corner
Worked on one slab of pyritiferous ss - uncovered very good - visible material - also compressions - walked back along 296 - road cut where slab at Rip Van Winkle Bridge came from has only small traces of plant material - most easily removed - major portion of rock is green flag.* Down slope from cut - still along road - one enters the red flagstone phase - then 30 ft of considerably thick red shales "Worm trails" - no fossils up slope again (from East Kill -) moving northeast-ward - red ss - then some green flag - plant fragments - material too massive - - - - passed by Mtn Crest Quarries on back to Hensonville

* Conglomerate bands up to 3' thick evident - quartz pebbles etc.

September 14, 1958 Sunday.
Walked up side and
across top of Clow Ridge
West of Hensonville -
Durham Quad. Few actual
outcrops mostly float
on hillside - grdn. has
shear plast fragments -
little preservation Red
sa. predominates. First
major Cliff ca 15 ft was
of thinly bedded grey ss
with small shaly lense
about 2 ft above ground
level - some pyrite but too
much weathering - too deeply
into cliff to be able to obtain
any material. Some collected
for specs. Continued up
and across the Ridge. Top
is red ss - glacial strie
evident. Went part way
up Durham High Peak -
ss all the way - some
conglomeratic. Very thin.
Came back down by way of
road indicated as passing
through the notch between

Clear Ridge - Durham
High Peak - road now
boogie existent as such -
more a rough trail. Trees
etc are grown up in it
and last fellow terms it
apparently a carriage road
at one time. To good one
Returned to northern mile
of Hendersville - met Gaylords
coming along the way. They
picked me up + drove me
to Hendersville - Dong was
there and now tomorrow
Pikemeia - Ontoora -
to see.

October 3 1958
Pratt Rock
Triangulation point
at Pratt Rock.

2:30 PM 1256 feet 65°
High wooded w/ occasional
opening fields

October 4 1958
9:20 AM Platt Cove road at Horse-
shoe turn 1265 feet 55°F.
Clear sky - sunny
Blue flag
Red shale (Devonian) 17±
Blue clay 9 ft whole plant
Red shale 2 ft.
Brownish 2.5 ft
Blue fine of large rock pipe
Trees 1410'
Clay slope all to here to 1492'
55°F — samples — gr. shale
Red shale 15 ft
Trees and shales in
intensively wooded protected
— no cultivation or other
indication of change.

conglomerate pebbles 45
gone of shale & some
some of sandstone -
plant material present -
highly compacted both
cemented - nothing else

52.5°F 1611 ft. Taconic Zone

Sept 6 62°F 1800 ft
Very heavy pebbly clay
zone - very dark both
in appearance - no plants.

Devils' Kitchen - 60° - 1721
Conglomerate - 1st seen -
pebbles dispersed - quartz, white
predominate -

— 296 junction w/ 23 at Windham
Bridge - Bench Mark - U.S. Geodetic -
J 73 - 1935 64°F. 12:30 PM
1531' (correct 1581')

— Rd out of Windham - bridge - on which
there is supposed to be a benchmark
according to 1903 top sheet
67°F 12:45 PM base plate of right

side of bridge on town-side of
bridge - elevation 1476'

"Concrete Gap" Mt Sterling
Quarry - [illegible] slope -
1260' 60°F Fine-grained
coal-productive fossils!
[illegible] - marked
Devonian. 2198' corrected

Hensonville Bridge bench mark 201/23
marked Pre-E 5:30 PM
Temp. 65°F 1645'
Clear (correct 1581')

Oct. 5, '58. Hcs 9 1902 Bench Mark
10:00 AM 60.5°F. 1844 ft
Bridge at Schoharie Creek
on Rte 214 to Phoenicia
Stony Clove
Rain windy

1960' according to top map 7½'

52°F 2095 feet Hensonville
Gap [illegible]. 10:20 AM Dressing
[illegible] (Mtn. Crest
Quarry, Hensonville, N.Y. - Rte
296)

1581 ft

Bridge 296-23 at Windham
(see pg preceding) I-73 1035
58.5° F. 1731 F.ft 10:25 AM
Cloudy - windy - no rain -

5.2 – Quarry 4.5 mi from turn
0.7 off at Windham – Fish plates

– Rock cut (Shale) 5 mi
from Windham turn off.
Plants – large area – pine pipe

– Trees 5.2 mi – red shale
left of road – north west –
pine plants on shoulder

– 6.4 Cape Horn Fork

6.8 mi
– 7.6 1.2 Snowville Dirt Rd
"Covered" Quarry. Mt. Steenberg.
✓ 56°F, 2332', 12:15 PM.

J266 - 1942 Benchmark
2266 feet 2:10 PM 47°F
Cloudy - windy; cool.; drizzle
occasional
(East of Steenberg quarry S. side

9 road

correct = 1922 ft Z 253. 1942 Bench Mark
47° F, 1995 ft 2:35 PM.
Partly cloudy windy cold

Oct 7, 1958
West Roberts
600 – 682' 11:30 AM Clear Sunny
Lincoln 600 – 621' 11:56 AM "

Oct. 8, 1958.
Checked quarry. – work has apparently been halted. The block is still in place. Will return tomorrow.

Oct. 9th Mt. Steenberg Quarry
10:00 AM., 64°F, 2166' clear and sunny. No wind.

Block cleared and layer by layer removed. Upper 1½' had only fragments of large axes. One specimen saved.
12:00 [redacted] noon, 69°F, 2175' Clear, sunny - no wind.

Just above gray shale zone is a 2-3" zone of brownish sandy shale in which axes with fructifications can be found. Unfortunately those present in the block were broken into very small fragments, and collection and preservation of them was impossible without sheets of cardboard or other such material to which the fragments could be attached. One axis 26" long with one branching on the upper portions of the branches there were poorly preserved fructifications similar to those in the gray shale below. This zone must be excavated at a level where breakage can be minimized.

— 2:00 PM, 71° F, 2166 ft.

Gray shale was removed. Large numbers of fructifications were obtained. Some are in excellent condition. Two show "3D" arrangement of the fertile branches. Gum arabic solution used to ensure safe transport.

— 4:00 PM., 74° F., 2205 Ft.

Left quarry at 5:15 PM.

Zone of gray fossiliferous shale continues into the quarry top. About 2 to 4 ft of overburden in place. Would and will require considerable digging. But will be well worth the effort.

May 15, 1959

"New" Quarry investigated. 1640'
on Gilboa quadrangle. Road
to Jewett off of road 23
between Cave Mtn. and ~~east~~
Tower Mtn. (At East Ashland
is the turnoff south) at
margin of Prospect Hill.
Very fine plant material. Ontera?
Clevelum awfully cool.

Sept 10, 1958 trip

$35 - room (1 week) till Monday noon
1.77 lunches
.85 lunch Monday Florence
3.50 Doug + Me room Parkhurst
.85 lunch Tuesday

Leave Reno
7:00
7:01 Turn looking for
7:05 " Doug " Dan
35 miles
1.55 again
18.20

Depart $6.05 gas - oil Ind.
(5.50 Fallon) — by Tom
1.50 above
13.00
18.20
31.20

Doug + Me.

Aug 5-
Supper 7.70 - 50 $8.20
Room $12.00
Aug 6 — Phone .10
Breakfast 1.30
Lunch 1.15
Coffee break .50
Fruit + Paper .18
Milk .26
Room 5.00
Supper 2.50
Aug 7 — Breakfast 1.50
Lunch 1.30
Coffee break .50
$36.59

Books 1.80
Shaw 1.25
$3.05

Pete trip Sept. 1957

Room Board etc -

26.45 +

8.00 suppers.

34.45 total

Doug. July 19, 1958

	Ithaca	$1.95	6.3 gal.
	Stamford	$1.65	5.4 gal.
July 19,	Cinadilla	$2.45	8.8 gal.
		6.05	
	Ithaca	1.35	3.? gal.
		7.40	

July 18.	Ithaca	37703
July 19	Ithaca	38041
	total	338 miles

Lunch	$	2.85	
Supper		5.50	
Room	$	9.00	21.55
Breakfast		1.75	7.40
Lunch		2.45	28.95
		21.55	

VERNON ROYAL LINE

U. S. A.